

Division 3. Air Resources Board

Chapter 1. Motor Vehicle Pollution Control Devices

Article 2. Approval of Motor Vehicle Pollution Control Devices (New Vehicles)

**§ 1956.7. Exhaust Emission Standards and Test Procedures-1981 Through 1986 Model Heavy-Duty Gasoline-Powered Engines and Vehicles and 1981 Through 1984 model Heavy-Duty Diesel-Powered Engines and Vehicles.**

(a) The exhaust emissions from new 1981 through 1986 model heavy-duty gasoline-powered engines, except engines used in medium-duty vehicles, shall not exceed:

Primary Exhaust Emission Standards  
(grams per brake horsepower hour)

<i>Model Year</i>	<i>Gasoline or Diesel Powered</i>	<i>Hydrocarbons</i>	<i>Carbon Monoxide</i>	<i>Hydrocarbons plus Oxides of Nitrogen</i>
1981-1983	Both	1.0	25	6.0
OR*	Both	-	25	5
1984	Both	0.5	25	4.5
1985-1986	Gasoline Only	0.5	25	4.5

\*The two sets of standards for each model year are alternatives. A manufacturer has the option for each engine family of showing compliance with either set. Separate deterioration factors shall be established, where applicable, for HC, CO, NOx, and/or the combined emissions of HC and NOx.

The following optional exhaust emission standards are applicable to engines tested pursuant to the optional federal test procedures and regulations for 1984 model heavy-duty engines. These standards replace the federal standards in Code of Federal Regulations Sections 86.084-10 and 86.084-11 for hydrocarbons, carbon monoxide and oxides of nitrogen, only.\*\*

Optional Exhaust Emission Standards  
(grams per brake horsepower hour)

<i>Model Year</i>	<i>Hydrocarbons</i>	<i>Carbon Monoxide</i>	<i>Oxides of Nitrogen</i>
1984	1.3	15.5	5.1

\*The federal 13-mode optional standards for 1984 model-year diesel-powered engines do not apply. In addition, the engine crankcase emission control requirement in Subparagraph 86.084-11(b)(2)(c) shall not apply for the 1984 model year.

(b) The test procedures for determining compliance with 1981 standards are set forth in the "California Exhaust Emission Standards and Test Procedures for 1981 Model Heavy-Duty Engines and Vehicles," adopted April 23, 1980.

(c) The test procedures for determining compliance with standards applicable to 1982 through 1986 models are set forth in the "California Exhaust Emission Standards and Test Procedures for 1982 through 1986 Model Heavy-Duty Gasoline-Powered Engines and Vehicles and 1982 through 1984 Model Heavy-Duty Diesel-Powered Engines and Vehicles," adopted October 5, 1976, as last amended April 25, 1986.

(d) A manufacturer may elect to certify heavy-duty vehicles of less than 10,000 pounds maximum gross vehicle weight rating as medium-duty vehicles under Section 1960.1 of this chapter, in which event heavy-duty emission standards and test procedures shall not apply.

(e)(1) For 1982 through 1984, the executive officer may authorize use of engines certified to meet federal emission standards, or which are demonstrated to meet appropriate federal emission standards, in up to a total of 100 heavy-duty vehicles in any one calendar year when the executive officer has determined that no engine certified to meet California emission standards exists which is suitable for use in the vehicles. For 1985 and future years, the use of engines which are not heavy-duty engines certified for sale in California may be authorized pursuant to Section 1956.8.

(2) In order to qualify for an exemption, the vehicle manufacturer shall submit, in writing, to the executive officer the justification for such exemption. The exemption request shall show that, due to circumstances beyond the control of the vehicle manufacturer, California certified engines are unavailable for use in the vehicle. The request shall further show that redesign or discontinuation of the vehicle will result in extreme cost penalties and disruption of business. In evaluating a request for an exemption, the executive officer shall consider all relevant factors,

## **Board Administration and Regulatory Coordination Unit**

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including the number of individual vehicles covered by the request and the anti-competitive effect, if any, of granting the request. If a request is denied, the executive officer shall state in writing the reason for the denial.

(3) In the event that the executive officer determines that an applicant may meet the criteria for an exemption under his subsection, but that granting the exemption will, together with previous exemption granted, result in over 100 vehicles being permitted under this subsection to use non-California engines in heavy-duty vehicles in any one calendar year through 1984, the exemption may be granted only by the state board, under the criteria set forth herein.

NOTE: Authority cited: Sections 39600 and 39601, Health and Safety Code. Reference: Sections 39002, 39003, 43000, 43013, 43100, 43101 and 43104, Health and Safety Code.

#### **REFERENCES**